

2018 Extreme Events and Climate Risk Forum

Toronto, Canada | 18 September 2018



Foreword

I am very pleased to welcome you to the 2018 Extreme Events and Climate Risk Forum, co-organised with Intact Financial Corporation and Sun Life Financial, entitled ‘Pathways to Climate Resilient and Decarbonised Critical Infrastructure in the 21st Century— A High-Level Dialogue on the Role of the Insurance Industry and Public-Private Partnerships.’

A recent paper of The Geneva Association, ‘Climate Change and the Insurance Industry: Taking action as risk managers and investors’, highlighted the important role of the insurance industry in building climate resilience and investing in the transition to a low carbon economy. The global (re)insurance industry believes that investing in climate resilience and decarbonisation of infrastructure is fundamental to scaling up action to meet the global climate change goals and targets. However, solving the global infrastructure challenge and ensuring climate resilience and decarbonisation requires a coordinated multi-stakeholder engagement to address the challenges and put the world on the path towards the 2°C or less climate change scenario.

The programme of this forum will examine four critical issues: (i) Critical infrastructure—the crossroads of national security, economic development, trade, technology, sustainability and climate change priorities in the 21st century; (ii) Prioritising climate resilience and adaptation—challenges and opportunities for building climate-resilient critical infrastructure; (iii) Investing at scale—challenges and opportunities for scaling up private investments in climate-resilience and decarbonising critical infrastructure; and (iv) Perspectives from insurance industry CEOs—the insurance industry’s value proposition as underwriters, risk managers and institutional investors.

We will have the opportunity to exchange ideas with chief executive officers of the global (re)insurance and financial sectors, ministers and high-level officials from governments, as well as senior officials from international development banks, inter-governmental organisations and the United Nations. Furthermore, a segment of the conference is co-organised with the G7 Ministerial Meeting on ‘Working Together on Climate Change, Oceans, and Clean Energy,’ convened by the Government of Canada.



Anna Maria D’Hulster

Secretary General
The Geneva Association

I would like to thank Charles Brindamour, CEO of Intact Financial Corporation and Dean Connor, CEO and President of Sun Life Financial for co-sponsoring this event. Let me also take this opportunity to extend our appreciation to Tsuyoshi Nagano, President and Group CEO of Tokio Marine Holdings and Chairman of the Board of Tokio Marine & Nichido Fire Insurance, who also serves as the co-chair of the Extreme Events and Climate Risk Working Group of The Geneva Association, for his unwavering support.

I wish you fruitful discussions and a very productive meeting.

Anna Maria D'Hulster

Agenda

TUESDAY 18 SEPTEMBER 2018

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| 08:00 – 09:00 | Registration and Breakfast |
| 09:00 – 09:15 | Welcome and Opening Remarks <ul style="list-style-type: none"> • Charles Brindamour, CEO of Intact Financial Corporation • Tsuyoshi Nagano, President and Group CEO of Tokio Marine Holdings Inc. and Chairman of the Board of Tokio Marine & Nichido Fire Insurance Co. |
| 09:15 – 09:55 | Special Session - Innovating and Financing climate resilience and transitioning to a low carbon economy in the 21st Century <ul style="list-style-type: none"> • Patricia Espinosa, Executive Secretary of UNFCCC and Former Ambassador of Mexico to Austria, Germany, Slovenia and Slovakia and Former Secretary of Foreign Affairs in the Cabinet of President Felipe Calderon • Tiff Macklem, Chair of “Canada’s Expert Panel on Sustainable Finance,” Former senior Deputy Governor of Bank of Canada and Dean of Rotman School of Management, University of Toronto |
| 09:55 – 10:00 | Objectives and Overview of the programme
Maryam Golnaraghi, Director of Extreme Events and Climate Risk, The Geneva Association |
| 10:00 – 11:30 | Panel 1- Critical infrastructure - The crossroads of national security, economic development, trade, technology, sustainability and climate change priorities in the 21st Century

<i>Adoption of Sendai Framework, the Paris Agreement and the 2030 Sustainable Development Goals by over 190 countries in 2015 offers a unique opportunity to reshape the future of global socio-economic development. Years of chronic under-investments in critical infrastructure have led to declining quality of infrastructure. Investing in climate resilience and decarbonisation of critical infrastructure is fundamental to addressing economic and environmental goals. Solving the global infrastructure challenge requires coordinated multi-stakeholder action to contribute to limiting climate change to a 2°C scenario. This session will discuss the interlinkages of national security, economic development, trade, technology and risk management for development of national infrastructure plans. It will explore barriers and opportunities for considering climate resilience and decarbonisation for infrastructure investments and high-priority multi-lateral actions needed to tackle the investment gap.</i> |

Moderator: Amanda Lang, Business journalist, BNN Bloomberg, Canada

Supported by: Molly Jahn, University of Wisconsin and Guest Scientist at Los Alamos National Lab

Panellists:

- Robert Palter, Senior Partner, McKinsey & Co. Global Lead on Capital Projects and Infrastructure Practice
- Joaquim Levy, Managing Director and CFO of the World Bank Group and former Minister of Finance, Brazil
- Brian Deese, Head of Sustainable Investing, BlackRock, and former Senior advisor to President Obama on climate, conservation and energy
- Michael Mylrea, Deputy Director at Pacific Northwest National Laboratory of US Department of Energy (PNNL) and international expert on national security, cyber risk, industrial control systems (SCADA), blockchain technologies and energy

11:30 – 11:45

Coffee Break

11:45 – 13:15

Panel 2 - Prioritising Climate Resilience and Adaptation: Challenges and opportunities for building climate-resilient critical infrastructure

Interruption in critical infrastructure could lead to cascading effects across economic sectors and borders, causing significant harm to populations and hindering socio-economic growth. Large segment of disaster-related economic impacts are linked to governments' post-disaster spending to fix damages and/or rebuild uninsured or partially insured public infrastructure. New technologies offer opportunities for advanced risk analytics and pricing, monitoring structural integrity, project efficiency, costs and revenues. Green/clean technological trends suggest future systems are lighter, decentralised and more locally focused. This panel will discuss challenges, opportunities, and the role of public policy and regulations to make risk assessment and climate resilience mandatory for existing and new infrastructure in all sectors. It will also explore the implications of emerging technologies as well as the critical role of the insurance industry in de-risking infrastructure projects through its underwriting and risk management practices.

Moderator: Ernst Rauch, Chief Climate and Geo Scientist, Climate & Public Sector Business Development, Munich Re

Supported by: Blair Feltmate, Intact Centre for Climate Adaptation, University of Waterloo

Video Statement - Christos Stylianides, European Commissioner for Humanitarian Aid and Crisis Management

Panellists:

- Mami Mizutori, Assistant Secretary-General and Special Representative of the UN Secretary-General for Disaster Risk Reduction
- Nikhil Da Victoria Lobo, Regional Leader, Global Partnerships, Americas, Swiss Re
- Thomas Grandmaison, Executive VP, Construction Practice leader, American Insurance Group, AIG
- Dickie Whitaker, CEO, Oasis Loss Modelling Framework Ltd.

13:15 – 14:30

Lunch

A discussion with Pierre Lavallée, President and CEO, Canada Infrastructure Bank
Moderated by Robert Palter, Senior Partner, McKinsey & Co.

14:30 – 16:00

Panel 3 - Investing at Scale: Challenges and opportunities for scaling up private investments in climate-resilience and decarbonizing the critical infrastructure

To address the large global infrastructure investment gap, a variety of risks need to be considered and efforts are required to foster long-term investing. Between 60 to 70% of needed infrastructure investment is in middle- and low-income countries. Addressing climate resiliency and decarbonisation (consistent with the 2°C climate change scenario) will not cost much more, raising the needed annual investment in infrastructure by a just a fraction. An estimated USD 120 trillion assets under management (AuM) by institutional investors could potentially be available as a source of funding. To attract these funds there is need for development of “sustainable/green financing framework” with focus on stable and reliable regulatory and political systems, a pipeline of investable-grade projects and an efficient market. This session will discuss challenges and opportunities and multi-lateral actions that are needed by various policy-making, standard-setting and regulatory bodies to pave the way to scale up private investments.

Note: This panel will be connected via video-link to the G7 Ministerial Meeting on “Working Together on Climate Change, Oceans, and Clean Energy,” being convened by Government of Canada (GoC) (Halifax, Canada). The Honourable Catherine McKenna (Minister of Environment and Climate Change, Canada) will join the panel. G7 ministers and other GoC guests will also participate.

Chair and Moderator: The Honourable Catherine McKenna, Minister of Environment and Climate Change, Canada(*) and Steve Peacher, President and CEO of Sun Life Investment Management

Discussant: Marc-André Blanchard, Ambassador and Permanent Representative of Canada to the United Nations in New York(*)

Supported by: Moya Chew-Lai, Chief Investment Officer, Closed Block Business, Prudential Financial; and, Martin Beaulieu, CRO, Intact Financial

Panellists:

- Michael Sabia, President and CEO, Caisse de dépôt et placement du Québec(*)
- Marcia Moffat, Managing Director and head of BlackRock, Canada
- Steve Peacher, President and CEO of Sun Life Investment Management
- Laurence Tubiana, CEO of the European Climate Foundation(*)
- James Hempstead, Managing Director, Moody's Investor Service
- Masamichi Kono, Deputy Secretary General, OECD

(*) Participating via video-link from Halifax

16:00 – 16:15

Coffee Break

16:15 – 17:45

Panel 4 - Perspectives from Insurance Industry CEOs: Insurance industry's value-proposition as underwriters, risk managers and institutional investors

The global re/insurance industry believes that investing in climate resilience and decarbonisation of infrastructure is fundamental to addressing global climate change goals and targets, at scale. As risk managers and underwriters, the re/insurance industry is already underwriting critical infrastructure projects; however, this varies from country to country and challenges remain. As institutional investors, its investment strategy is liability-driven, constrained by regulations and impacted by a number of internal and external factors. Most insurers (particularly life insurers) see infrastructure projects as a potential opportunity for investing, but a number of challenges remain. This session will discuss the re/insurance industry's value-proposition as underwriters, risk managers and institutional investors. It will explore strategic areas where the re/insurance industry, government and other stakeholders could work together to find pathways to build green, climate resilient infrastructure.

Moderator: Maryam Golnaraghi, Director of Extreme Events and Climate Risk, The Geneva Association

Supported by: Masaaki Nagamura - General Manager of International Initiatives, Corporate Planning Department, Tokio Marine and Nichido Fire Insurance Co.

Panellists:

- Charles Brindamour, CEO, Intact Financial Corporation
- Christopher J.B. Williams, Managing Executive Officer and Co-Head of International Business, Tokio Marine Holdings, Inc. (former CEO of Tokio Marine HCC)
- Dean Connor, President and CEO, Sun Life Financial
- Hiroshi Ozeki, Regional CEO, Nippon Life, the Americas and Europe

17:45 – 18:00

Closing remarks

Dean Connor, President and CEO of Sun Life Financial
Anna Maria D’Hulster, Secretary General, the Geneva Association

18:15 – 19:30

Cocktails

For additional information please contact:

Programme & Agenda:

Dr. Maryam Golnaraghi, Director of Extreme Events and Climate Risk
The Geneva Association
(maryam_golnaraghi@genevaassociation.org)

Registration & Logistics:

Mr. Michael Schaefer, Director of Membership and Conferences,
The Geneva Association
(conference@genevaassociation.org)

Biographies

Martin Beaulieu is the Senior Vice President and Chief Risk Officer of Intact Financial Corporation. In this role, he is responsible for providing risk management leadership across North America for the organization at the strategic and business management level. Prior to this role, he was the Chief Operating Officer for the direct to consumer distribution of Intact Financial Corporation.

Mr. Beaulieu joined Intact in 1988 as an actuary and has been a member of its executive committee since 2002. During his career at Intact, he served in increasing leadership roles in actuarial, internal audit, reinsurance, pricing and underwriting, claims and government relations; in the direct and broker channel; in Canada, The Netherlands and the United States. He has also been a core member of Intact's merger and acquisition team participating in the successful acquisition and integration of a dozen companies since the early 90s.

Mr. Beaulieu has also contributed throughout his career to the Canadian insurance industry evolution and reforms by volunteering on a number of committees and associations. Most recently, he is Chair of the Insurance Bureau of Canada (IBC) Personal Lines Steering Committee in addition to being a director of La Corporation des Assureurs Directs de Dommages (CADD) and The Canadian Association of Direct Relationship Insurers (CADRI). He holds a Bachelor of actuarial science degree from Laval University and is a member of the Casualty Actuarial Society.



Martin Beaulieu

Senior Vice President and
Chief Risk Officer
Intact Financial Corporation

Marc-André Blanchard was appointed as Canada's Ambassador and Permanent Representative to the United Nations in New York in 2016. In 2017, he was named as a member of Canada's North American Free Trade Agreement (NAFTA) Council. From 2010-2016 he was Chairman and CEO of McCarthy Tétrault, one Canada's national law firms. From 2003 to 2010, he was the Quebec Managing Partner for McCarthy Tétrault while practicing as a litigator and advising companies on strategic issues. He has been involved in some of Canada's landmark cases and transactions. During his tenure as President and CEO, McCarthy Tétrault was named the most innovative law firm in Canada and one of the most innovative in North America by the Financial Times. Canadian Business identified Mr. Blanchard amongst Canada's top 50 most powerful business leaders for 2016. In 2013, Mr. Blanchard was named among the 25 most influential lawyers in Canada by Canadian Lawyer Magazine, and Catalyst Canada awarded him the CEO Recognition Award for his leadership in gender diversity. In 2016, he was awarded the distinction of Advocatus Emeritus by the Quebec Bar Association. Mr. Blanchard is a graduate of the Université de Montréal, the London School of Economics and Columbia University.



Marc-André Blanchard

Ambassador and Permanent Representative of Canada to the United Nations in New York

Charles Brindamour is Chief Executive Officer of Intact Financial Corporation, Canada's largest Property & Casualty insurance provider.

He began his career with Intact in 1992 and has held progressively senior roles, in Canada and abroad, within Intact and its former affiliates, including Senior Vice President of Personal Lines, Executive Vice President and Chief Operating Officer. Mr Brindamour was appointed as President and CEO in January, 2008.

Under Mr Brindamour's leadership the Company became an independent and widely-held Canadian company in 2009 and two years later engineered the acquisition of AXA Canada; the largest acquisition in the history of Canada's property and casualty insurance industry. With market capitalization of more than \$12 billion as at December 31, 2015, Intact Financial ranks amongst the largest companies listed on the TSX.

Charles Brindamour is a graduate of Laval University in Actuarial Sciences and an Associate of the Casualty Actuarial Society. He



Charles Brindamour

CEO
Intact Financial Corporation

is a board member of Intact Financial Corporation, Hydro One Limited, the C.D. Howe Institute, Branksome Hall and the Insurance Bureau of Canada. He is also a member of the Advisory Committee of the University of Waterloo's Climate Change Adaptation Project, serves on the advisory board of Gibraltar Growth Corporation and is co-chair of Laval University's "Grande Campagne".

Moya Chew-Lai is responsible for setting and implementing strategic and tactical investment policies for the general account assets supporting Closed Block Business and Corporate and Other portfolios, including the Long Term Care Business. Moya first joined Prudential in the Prudential Realty Group, where she specialized in real estate finance assuming increasing responsibilities and varied roles in mortgage origination and asset management. Prior to Prudential, she was a credit analyst at the Bank of Boston. Moya served as co-chair for the ACLI Mortgage Working Group, and the Chair for LifeComps, an industry commercial mortgage benchmarking group. She received her BA from the University of Pennsylvania and her MBA from Rutgers Graduate School of Management. Moya also holds the Chartered Financial Analyst (CFA) designation.



Moya Chew-Lai

Chief Investment Officer
Closed Block Business
Prudential Financial

Dean A. Connor was appointed President and Chief Executive Officer, Sun Life Financial effective December 1, 2011, and is a member of the Company's Board of Directors.

Mr Connor joined Sun Life in 2006 as Executive Vice-President with responsibility for the Company's United Kingdom and Reinsurance operations, strategic international activities and corporate functions. In 2008, he was appointed President of Sun Life's Canadian operations.

In 2010, he became Chief Operating Officer with responsibility for Sun Life's Canadian and United Kingdom operations, MFS, Marketing, Human Resources, Information Technology and other shared business services.

Mr Connor joined Sun Life following 28 years at Mercer Human Resource Consulting, where most recently he was Mercer's President for the Americas, encompassing its business operations in the United States, Latin America and Canada.

Mr Connor currently serves on the Ivey Advisory Board, as the



Dean Connor

President and CEO
Sun Life Financial

Chair of the Board of Directors of the Canadian Life and Health Insurance Association, and is a Trustee for the University Health Network in Toronto.

Mr Connor is a Fellow of the Society of Actuaries and the Canadian Institute of Actuaries. He holds an Honours Business Administration (HBA) from the Richard Ivey School of Business at Western University.

In his role in Global Partnerships, Nikhil leads Swiss Re's dialogue with governments, development banks and non-governmental organizations in the Americas. The team works on customized solutions to help the public sector manage and transfer their risk to the (re)insurance and capital markets. Global Partnerships has successfully helped public sector clients address such complex risks as natural catastrophes, agriculture production, infrastructure financing and longevity risk, and leverages Swiss Re's broad product offerings. These range from traditional risk transfer to insurance linked securities and advisory services. Prior to his current role Nikhil was an underwriter for Swiss Re's corporate insurance business, focusing on the Latin America Fortune 500 companies. He joined Swiss Re in 2001 as an investment professional in Securitas Capital, a private equity firm focused in the insurance industry. He worked on a number of private and public transactions before joining Swiss Re's Latin American reinsurance department as a deputy manager for finance and operations. Nikhil holds a degree in Finance from The Wharton School of the University of Pennsylvania.



Nikhil Da Victoria Lobo

Regional Leader, Global
Partnerships, Americas
Swiss Re

Brian Deese, Managing Director, is Global Head of Sustainable Investing at BlackRock. The Sustainable Investing team is focused on identifying drivers of long-term return associated with environmental, social and governance issues, integrating them throughout Blackrock's investment processes, and creating solutions for our clients to achieve sustainable investment return.

Prior to joining BlackRock in 2017, Mr. Deese worked in the White House where he was Senior Advisor to President Barack Obama for climate and energy policy, helping to negotiate the Paris Climate Agreement and other national and international initiatives. Brian also served as Acting Director of the Office of Management and Budget and deputy director of the National Economic Council. Early on in the Obama Administration, Brian was one of the key architects in the resurgence of the auto industry after the financial crisis.

Mr. Deese earned a J.D. from Yale Law School, and a B.A. from Middlebury College. He lives in Brookline Massachusetts.



Brian Deese

Head of Sustainable Investing, BlackRock, and former Senior advisor to President Obama on climate, conservation and energy

Anna Maria D'Hulster was appointed Secretary General of The Geneva Association by the membership on 2 June 2014.

Before joining The Geneva Association, she was responsible for the insurance practice at swissQuant Group, a technology company specialising in the development and implementation of mathematical algorithms and software for risk management and big data purposes.

From 2002 to 2012, she had different roles with the Baloise Group in Switzerland and Europe. She acted as Head of Group Risk Management from 2002 to 2004, and Head of Group Performance Management while also representing the Holding on the boards of various subsidiaries (from 2004 to 2008). She subsequently established and developed the life insurance company Baloise Life of which she became the CEO (2008 to 2012). Anna Maria was a member of the Executive Committee of the European Insurance Association (CEA/Insurance Europe).

Before her career in the insurance industry, Anna Maria was a Principal at the Boston Consulting Group, leading banking and insurance projects in Germany and the United States. She started her career as a corporate finance analyst at Deutsche Bank.

Anna Maria holds an INSEAD MBA (1993) and a business-



Anna Maria D'Hulster

Secretary General
The Geneva Association

engineering degree from the Free University of Brussels, Belgium. She is a Belgian citizen.

In 2014 Anna Maria was appointed as non-executive Director to the Board of Hardy (Underwriting Agencies) Ltd, London.

Patricia Espinosa is the Executive Secretary of the United Nations Framework Convention on Climate Change. Ambassador of Mexico to Germany since 2012 and from 2001 to 2002, Ms. Espinosa was Minister of Foreign Affairs of Mexico from 2006 to 2012, bringing over 30 years of experience at highest levels in international relations. As Chair of the Third Committee of the UNGA (1996), she played a key role in the adoption of the Beijing Platform for Action. Ambassador of Mexico to Austria, Slovakia, Slovenia and the UN in Vienna (2002-2006), Chief of Staff to the Undersecretary of Foreign Affairs (1989-1991) and responsible for economic issues at the Permanent Mission to the UN in Geneva (1982-1988).



Patricia Espinosa

Executive Secretary of UNFCCC
and Former Ambassador of
Mexico to Austria, Germany,
Slovenia and Slovakia and Former
Secretary of Foreign Affairs in the
Cabinet of President Felipe
Calderon

Blair Feltmate is Head, Intact Centre on Climate Adaptation, University of Waterloo, where he is also Associate Professor. The Intact Centre is an incubator for research and knowledge mobilization, with an aim to limit the negative impacts associated with climate change and extreme weather events in Canada. The Intact Centre was made possible through the generosity of Intact Financial Corporation.



Blair Feltmate

Intact Centre for Climate
Adaptation
University of Waterloo

Previous positions Blair has held include Vice President, Sustainable Development, Bank of Montreal; Director, Sustainable Development, OPG; Partner, Sustainable Investment Group/YMG Capital Management; and President, Sustainable Systems Associates. His early career began by developing the sustainable development programs for such companies as Noranda, Falconbridge, Placer Dome, Barrick Gold, Consumers Gas and the American Chemistry Council (Washington).

Blair has written textbooks on Sustainable Banking (University of Toronto Press), and Aquatic Ecology (CAB International). He is generally interviewed by TV/radio/newspapers 100-150 times

per year, primarily on the subject of how to address climate change. He speaks regularly to governments (nationally / internationally) and industry sectors on the need and means to adjust to a changing climate.

He is Chair, Federal Government of Canada Expert Panel on Climate Adaptation and Resilience Results. He is also Chair, Electricity Transmission and Distribution Adaptation Standard, Canadian Standards Association; he serves on other flood mitigation Standards committees for CSA. He is former Chair of Pollution Probe, and he was Chair/Founder of the Sustainable Electricity Program, Canadian Electricity Association.

Blair was an NSERC Post-Doctoral Fellow (University of Waterloo); he holds a Ph.D, Theoretical and Applied Ecology (University of Toronto); M.Sc., Zoology (U of T); M.A., Sustainable Development (Wilfrid Laurier University); Hon. B.Sc., Geography.

Maryam Golnaraghi is the Director of Extreme Events and Climate Risks at The Geneva Association. With over 20 years in international executive and senior advisory positions in the industry, government and the United Nations, Maryam works at the forefront of developing proactive policies, investment and risk management strategies and PPPs for: (i) integration of climate risk into core business and investing, (ii) building socio-economic resilience to climate risk; and, (ii) enabling green investments by institutional investors, in areas such as infrastructure.

From 2004 to 2014, she was the Chief of the Disaster Risk Reduction Program at the UN's World Meteorological Organization. She headed up and built this multi-faceted international program that has assisted over 60 governments with building capacities in disaster & climate risk management. From 1997 to 2004, she was the CEO and President of Climate Risk Solutions, Inc., which provided innovative climate risk assessment and risk management solutions to companies in energy, agriculture, and insurance. She also worked at the forefront of developing state-of-the-art risk analytics and weather derivatives products.

She is a member of several international, governments, and industry advisory boards and has authored numerous internationally referenced reports and a book. She holds a BS in Chemical Engineering from Cornell University, an MS in Applied Physics and a PhD in Physical Oceanography from Harvard



Maryam Golnaraghi

Director of Extreme Events and
Climate Risk
The Geneva Association

University and was a senior research associate at the Harvard Business School.

Thomas A. Grandmaison is an Executive Vice President for AIG General Insurance. He is responsible for all Property, Casualty, Professional and Specialty lines of business driving solutions to Construction clients in the U.S. and Canada Region, including admitted and non-admitted lines of business.

Tom has worked at AIG for 15 years working in various important leadership roles within the company, starting at the Lexington group in August, 2003. Tom has 31 years of commercial underwriting experience focused largely on construction risks over the last 21 years and had most recently been leading our Energy and Construction Industry practices the last three years. He started in the commercial insurance industry at Aetna Life and Casualty in 1987. He has worked in a variety of underwriting leadership roles at Travelers and Zurich, in their Construction Divisions.

Tom has been a frequent speaker at industry events across the U.S. and Canada. Mr. Grandmaison holds a B.A in Business Management from Assumption College in Worcester, MA.



Thomas Grandmaison

Executive VP, Construction
Practice leader, American
Insurance Group
AIG

Molly Jahn is Professor of Agronomy with appointments in the Center for Sustainability and the Global Environment and the Global Health Institute at the University of Wisconsin where she also served as the 12th dean of the College of Agricultural and Life Sciences. She is a Guest Scientist at Los Alamos National Laboratory, a NASA Special Government Employee, Adjunct Senior Research Scientist at Columbia University, and served as the USDA Deputy and Acting Under Secretary of Research, Education and Economics overseeing four major research and statistical agencies. She consults globally for business, government, philanthropic organizations, and international multi-lateral institutions on agriculture, food security, risk, life sciences and environment. Currently, she serves as Director of Strategic Outreach for the NASA Consortium on Food Security and Agriculture, and on advisory committees including the NASA Applied Sciences Advisory Committee, the Advisory Body for the UN International Strategy for Disaster Risk Reduction and the Expert Panel for the current Global Assessment Report on Disaster Risk Reduction.



Molly Jahn

University of Wisconsin and Guest
Scientist at Los Alamos National
Lab

James Hempstead is a Managing Director in Moody's Global Project & Infrastructure Finance Group where he helps manage the North American Regulated Utility and Power Team. James also acts as a rating chair across all segments of the Global Infrastructure and Project Finance franchise, is a member of the Infrastructure Finance Franchise Committee and a member of the Global Infrastructure Focus Editorial Board. In 2017, James joined Moody's Global ESG Working Group and is managing the firm's Green Bond Initiatives. James joined Moody's in December 2002.



James Hempstead

Managing Director
Moody's Investor Service

Prior to joining Moody's, James spent time as an investment banker with Merrill Lynch & Co., working in the Global Energy & Power Group, providing financial and advisory services to electric, natural gas distribution, interstate pipeline, energy merchant, water and energy technology companies. Prior to joining Merrill Lynch, James worked with Salomon Smith Barney Corporate Finance, working in their Global Energy & Power Group.

James graduated with a B.S.B.A. from Villanova University and an M.B.A. from Fordham University. From 2011 - 2013, Jim served as the Director of Emergency Management for his hometown in New Jersey, and is a registered EMT for his local, volunteer first aid squad. James is a member of the Wall Street Utility Group and became a Trustee with the Society of Utility and Regulatory Financial Analysts (SURFA) in 2012. In 2014, James joined the Advisory Council for the Electric Power Research Institute (EPRI).

Masamichi Kono was appointed Deputy Secretary-General of the OECD in August 2017. His portfolio includes the strategic direction of OECD policy on Environment, Development, Green Growth, Taxation, Science and Technology Policy and Innovation, Financial and Enterprise Affairs and Anti-Corruption along with representing the OECD at the Financial Stability Board meetings.



Masamichi Kono

Deputy Secretary General
OECD

Prior to joining the OECD, Mr. Kono was the Vice Minister for International Affairs, Financial Services Agency, Japan (JFSA) and President of the Asian Financial Partnership Center of the JFSA.

In that capacity, he represented the JFSA in various international bodies and meetings, and was responsible for coordinating policies relating to international affairs for the JFSA.

He has had a long career in financial supervision and the

regulation of financial services, both in Japan and in the international arena, since joining the public service in 1978.

Before joining the Financial Services Agency, Mr. Kono was Secretary to the WTO Financial Services Committee between 1994 and 1999, as Counsellor of the Trade in Services Division, World Trade Organisation.

He also served for 4 years at the OECD Secretariat in the Economics Department, at the beginning of his career.

Mr. Kono holds a B.A. in law from Tokyo University.

Amanda Lang: Award-winning business journalist Amanda Lang has been covering business in North America for 20 years. Lang is the host of Bloomberg Markets for BNN Bloomberg, a global program airing daily from Toronto and New York. Previously, Lang was CBC's senior business correspondent, reporting for its flagship nightly news program, The National, and host of The Exchange with Amanda Lang, a daily business program airing on CBC News Network. For five years before that Lang hosted The Lang and O'Leary Exchange, with Kevin O'Leary. And prior to that the pair cohosted SqueezePlay, on BNN, for 6 years.

Lang studied Architecture at the University of Manitoba, before becoming a journalist. Her first job in journalism was for the Globe and Mail, and subsequently Lang joined the Financial Post newspaper, where she became the paper's New York correspondent. In New York she made the leap to television, where she first was part of the team that launched BNN and before long wound up at CNN as a reporter and anchor. Lang is also a best-selling author. "The Power of Why," (HarperCollins, October 2012) explores the connection between curiosity and success. "The Beauty of Discomfort" (HarperCollins, April 2017) examines how difficult change can be, and set out strategies for how to achieve it.



Amanda Lang

Business journalist
BNN Bloomberg, Canada

Pierre Lavallée was appointed President and Chief Executive Officer in 2018 and is responsible for strategic business leadership and overall performance of the organization.

As the inaugural CEO, his role includes establishing strategy, policies and procedures; building a highly skilled and motivated team of professionals; and developing partnerships with investors and public-sector proponents to support innovative infrastructure transactions.

Before joining Canada Infrastructure Bank, Mr. Lavallée held several senior positions at Canada Pension Plan Investment Board (CPPIB) over six years, most recently as Senior Managing Director & Global Head of Investment Partnerships.

Prior to CPPIB, Mr. Lavallée was Executive Vice President, Reitmans (Canada) Limited, based in Montreal. He also spent 18 years with Bain & Company in Toronto, where he led the Canadian retail, telecom and private equity practices and was Managing Partner for Canada for three years. Before joining Bain, Mr. Lavallée served as a Trade Commissioner in the Department of External Affairs and International Trade, based in Ottawa and Japan.

He holds a Bachelor of Social Sciences in Economics and a Master of Arts in Economics from the University of Ottawa.

Mr. Lavallée sits on the Investment Committee of the endowment for Pearson College UWC.



Pierre Lavallée

President and CEO
Canada Infrastructure Bank

Joaquim Levy, Managing Director and World Bank Group (WBG) Chief Financial Officer

As Managing Director and WBG CFO since February 2016, Mr. Levy is responsible for the financial and risk management strategies including development of new, innovative financial products and services, oversight of the financial reporting, risk management, and mobilization of financial resources in alignment with the WBG's strategy. Previously, he served as the Minister of Finance for the Federal Republic of Brazil, working with the president and government in reforming the world's fifth largest economy. From 2010 to 2014, Levy was CEO of Bradesco Asset Management S.A. Distribuidora de Títulos e Valores Mobiliários, division of Banco Bradesco S.A., Brazil's second-largest private bank group, handling a portfolio of more than \$130 billion. Prior to that Mr. Levy, as the Secretary of Finance of the State of Rio de Janeiro, successfully re-engineered financial management of the state, leading to its receiving an investment-grade credit rating from Standard & Poor's. Mr. Levy served as the Executive Vice President of Finance and Administration at the Inter-American Development Bank. Mr. Levy also served as the Secretary of Brazil's National Treasury and the Chief Economist at the Brazilian Ministry of Planning, Budget & Management. Mr. Levy held several positions at the European Central Bank and the International Monetary Fund.

Levy holds a PhD in economics from the University of Chicago (1992); a master's in economics from Getúlio Vargas Foundation (1987); and a Bachelor's of Science in Naval Architecture and Marine Engineering from the Federal University of Rio de Janeiro.



Joaquim Levy

Managing Director and CFO
The World Bank Group
and former Minister of Finance,
Brazil

Former Senior Deputy Governor (2010 - 2014)

Tiff Macklem served as Senior Deputy Governor from July 2010 until May 2014. In this capacity, he was the Bank's Chief Operating Officer and a member of the Board of Directors of the Bank. Mr. Macklem's duties included acting for the Governor, overseeing strategic planning and coordinating the Bank's operations, sharing responsibility for the conduct of monetary policy as a member of the Bank's Governing Council, and participating in fulfilling the Bank's responsibilities for promoting financial stability. He was the first Chair of the Financial Stability Board's Standing Committee for Standards Implementation from 2009 to 2013, and represented the Bank of Canada at the FSB. Prior to his appointment, Mr. Macklem served as Associate Deputy Minister of the federal Department of Finance and Canada's G7 Deputy.

Born in Montréal, Quebec, Mr. Macklem graduated from Queen's University in 1983 with a bachelor's degree in economics, and completed a master's degree and a PhD in economics from the University of Western Ontario. In 1984, he joined the Bank of Canada in the Department of Monetary and Financial Analysis for one year. He returned to the Bank in 1989 following the completion of his PhD. Mr. Macklem occupied increasingly senior positions in the Research Department (now Canadian Economic Analysis) until his appointment as Chief in January 2000. He was appointed Adviser to the Governor in August 2003. In 2003-4, he was seconded to the Department of Finance, returning to the Bank as a Deputy Governor in December 2004. He rejoined Finance as Associate Deputy Minister in 2007.

Catherine McKenna was elected as the first female member of Parliament for Ottawa Centre on October 19th 2015, and appointed Minister of Environment and Climate Change shortly thereafter. She helped negotiate the Paris Agreement and secured Canada's first plan with provinces, territories and Indigenous peoples to address climate change and grow a clean economy.

Before entering politics, Catherine practiced competition and international trade law with leading firms in Canada and Indonesia, and was senior negotiator with the United Nations Peacekeeping Mission on the Timor Sea Treaty. She co-founded Level Justice, a charity that levels the playing field and increases access to justice for marginalized communities worldwide. She served as Executive Director of the Banff Forum, a public policy organization for young leaders, and taught at the



Tiff Macklem

Chair of "Canada's Expert Panel on Sustainable Finance," Former senior Deputy Governor of Bank of Canada and Dean of Rotman School of Management, University of Toronto



Catherine McKenna

Minister of Environment and Climate Change, Canada

Munk School of Global Affairs. Catherine is a graduate of the University of Toronto, the London School of Economics, and McGill Law School; and is called to the Bars of Ontario and New York State. Catherine and her husband live in Ottawa with their three children and their dog Skoki. During her free time, she can be found in the water - swimming, canoeing or kayaking.

Mami Mizutori was appointed Assistant Secretary-General and Special Representative of the Secretary-General for Disaster Risk Reduction, United Nations Office for Disaster Risk Reduction (UNISDR) on 1 March 2018. She brings to the position a combination of management and leadership expertise as well as a rich experience in international affairs and security.

Ms. Mizutori served more than twenty-five years in the Japanese Ministry of Foreign Affairs, in various capacities, including as Budget Director, Director of the Japan Information and Culture Center (JICC) at the Embassy of Japan in London, Director of the National Security Policy Division, Director of the United Nations Policy Division, Director of the Status of US Forces Agreement Division, and Deputy Director of the Personnel Division.

Prior to joining UNISDR she was Executive Director of the Sainsbury Institute for the Study of Japanese Arts and Cultures, University of East Anglia, UK since 2011.

She has been on various boards including of Fidelity Japanese Values, Daiwa Anglo-Japan Foundation, Japan Society UK and was a member of the UK-Japan 21st Century Group. She has taught courses on international studies at Waseda University, Tokyo.

Ms. Mizutori graduated in law from Hitotsubashi University, Tokyo and obtained a Diploma in International Studies from the Diplomatic School of Spain.



Mami Mizutori

Assistant Secretary-General and
Special Representative of the UN
Secretary-General for Disaster
Risk Reduction

Marcia Moffat is Head of Canada for BlackRock, a global investment management and technology solutions firm that manages over US\$6 trillion in assets on behalf of investors worldwide.

As Country Head, Marcia is responsible for the leadership and strategic direction of BlackRock's Canadian operations. Through its institutional client and iShares businesses, and growing technology and advisory services, BlackRock Canada helps a wide range of investors build better financial futures.

Marcia is also a member of BlackRock's Global Operating Committee, Global Human Capital Committee and Americas Executive Committee.

Beyond the firm, Marcia is actively involved with several industry and not-for-profit organizations. She chairs the Canadian Coalition for Good Governance, sits on the board of the Ontario Brain Institute and the C.D. Howe Institute, is a member of the Business Council of Canada, and dedicates time to a number of philanthropic organizations.

Marcia has spent most of her career in financial services, including several years at the Royal Bank of Canada where she held progressively senior roles in Investment Banking, Investor Relations and Retail Banking. Earlier in her career, she worked as a corporate finance lawyer in the New York and Paris offices of Shearman & Sterling.

She holds an MBA and a Law degree from the University of Toronto, and a Bachelor of Science degree from McGill. Marcia lives in Toronto with her husband and two sons.;



Marcia Moffat

Managing Director and head
BlackRock, Canada

Michael Mylrea is a Deputy Chief Cyber Security Scientist and Blockchain Lead at Pacific Northwest National Laboratory (PNNL). Michael has over 20 years of experience working on cyber security, energy and national security issues. This experience includes leadership positions in industry and government: U.S. Departments of Energy and Defense, Cyber Innovation Development (CISO & Co-Founder), Deloitte, U.S. Cyber Consequences Unit, Lakeside Oil, Harvard Berkman Center and Good Harbor Consulting. At PNNL, Michael leads several cyber security R&D and blockchain projects, including one of first cybersecurity blockchain projects in collaboration with industry and U.S. government. Michael is member of Washington State's IoT Council, an NSF Executive CyberCorps Fellow at George Washington University (GWU) and a blockchain cyber security advisor to Rocky Mountain Institute. Michael completed his doctorate focused on cyber resilience and organizational change at GWU, MA at Tufts and Harvard, MS in Cyber at Western Governors University and undergraduate degrees at University of Wisconsin %u2013 Madison.



Michael Mylrea

Deputy Director at Pacific Northwest National Laboratory of US Department of Energy (PNNL) and international expert on national security, cyber risk, industrial control systems (SCADA), blockchain technologies and energy

Masaaki Nagamura has been in charge of international initiatives relevant to sustainability issues at Tokio Marine Holdings' Strategy & Synergy Department since April 2018, after serving as Division Head of CSR for six years and eight months.

He currently plays the role of sherpa at the Asia-Pacific Financial Forum's Disaster Risk Financing and Insurance Sub-stream. He was a member of the Financial Stability Board's Task Force on Climate-related Financial Disclosures (TCFD) between January 2016 and July 2017. He was actively involved in the launch of the UNEP FI's Principles for Sustainable Insurance.

Prior to his involvement in sustainability issues, he was in charge of international standard setting discussions on insurance regulations between 2004 and 2011. He was stationed in the U.S. city of Chicago as an Account Executive between 1997 and 2004.

He joined Tokio Marine & Fire Insurance in 1986 as soon as graduating from Waseda University in Tokyo.

Tsuyoshi ("Nick") Nagano joined Tokio Marine in 1975, and



Masaaki Nagamura

General Manager, International Initiatives, Strategy & Synergy Dept.,
Tokio Marine Holdings, Inc.

engaged in large commercial lines business domestically and internationally for the first 24 years of his career.

In 2000, he was appointed head of a special team to create new ideas and drive innovation, successfully launching a product called "Super Insurance." This product provides life and multiple non-life coverages in a single product, and is now the main personal lines product of Tokio Marine, sold to 2 million households in Japan.

After several senior management positions overseeing Corporate Planning and International Business Development, during which time he led the acquisitions that drove the internationalization of the group, he was appointed President and Group CEO of Tokio Marine Holdings, Inc. in 2013.

He firmly believes that "Doing the right things the right way always pays off" and that "trust is everything", which form the foundations of his management philosophy "To Be a Good Company."

Aside from work, he is an open water swimmer as well as a weekend piano/drum player and jazz singer.

Hiroshi OZEKI is the Managing Executive Officer, Regional CEO for the Americas and Europe at Nippon Life Insurance Company.

He joined the company after graduation from the University of Tokyo in 1987 and experienced various roles in loan portfolio management, risk management, corporate strategies, hybrid capital finance, investor relations, ALM and Asset Allocation of the Life Insurance General Account.

After his promotion to General Manager of Finance and Investment Planning Department in 2008, Mr. OZEKI was promoted to Chief Investment Officer and became a member of the Board & Executive Officer in 2014. He advanced the global credit investment and diversification of the alternative asset management methodology and four years later he assumed his current position.

Mr. OZEKI obtained a B.A. in Physics from the University of Tokyo and an A.M.P. from Wharton School, University of Pennsylvania. He is also a Chartered Member of the Security Analysts Association of Japan and a Member of The Japanese Society for Artificial Intelligence.



Tsuyoshi Nagano

President and Group CEO
Tokio Marine Holdings Inc.
and Chairman of the Board of
Tokio Marine & Nichido Fire
Insurance Co.



Hiroshi Ozeki

Regional CEO
Nippon Life, the Americas and
Europe

He was awarded The Securities Analysts Journal Prize (1999) from the Security Analysts Association of Japan in the article on benchmark application to fixed income investment.

Robert Palter co-leads the global Capital Projects & Infrastructure Practice. He also holds leadership positions in the Private Equity and Electric Power & Natural Gas Practices. Based in Toronto, Robert won recognition as one of Canada's Top 40 under 40, an award presented to citizens who are outstanding leaders in their chosen fields.

Robert works with investors looking to participate in infrastructure assets, either directly or through public-private partnerships. He has extensive experience with energy and transit assets, in particular. Among Robert's clients are pension funds, private equity funds, and corporations. His recent projects have involved:

Working with one of the fastest-growing pension funds in Canada to design infrastructure, buyout, venture capital, secondary market, and real estate strategies

Advising a global energy infrastructure company on investment opportunities in natural gas, electric, and petroleum infrastructure assets

Establishing a public-private partnership for a North American nuclear power plant

Supporting a leading alternative asset manager as it designed a global infrastructure strategy

Working with a global energy company to develop a comprehensive infrastructure strategy that addresses opportunities in ports, toll roads, airports, and asset management

Helping a national government design the strategy and organizational structure for a public-private partnership program in North America and Southeast Asia.

He serves on the board of the Munk School of Global Affairs and the United Jewish Appeal of Toronto, where he sits on the governance, human resources, and audit committees.



Robert Palter

Senior Partner
McKinsey & Co. Global Lead on
Capital Projects and
Infrastructure Practice

Steve Peacher is President of Sun Life Investment Management, Sun Life Financial's 3rd-party institutional investment management platform. This includes the Bentall Kennedy Group in North America, Prime Advisors, Inc. and Ryan Labs Asset Management Inc. in the United States, and Sun Life Investment Management Inc. in Canada.

Steve is also responsible for the investment operations of Sun Life Assurance Company of Canada, which supports the Sun Life Investment Management companies and manages the general account assets of the Sun Life Financial group of companies. Steve is a member of the Sun Life Financial Executive team.

Steve has more than 3 decades of investment management and credit experience in North American and international markets. This includes extensive experience managing teams, portfolios and research across a wide range of assets and strategies, including public and private asset classes, derivative markets and liability-driven investing.

Steve joined Sun Life Financial in 2009. He was previously Managing Director, Head of Fixed Income and Liquidity Strategies at Columbia Management and served for 15 years at Putnam Investments, where he rose to Managing Director and Chief Investment Officer of the Credit Team. He worked earlier in his career in the investment banking division at Dean Witter Reynolds (now part of Morgan Stanley).

Steve holds a Bachelor of Science degree from the University of Virginia. He is a CFA Charterholder and a member of the Boston CFA society.

Ernst Rauch studied at the Institute for General and Applied Geophysics at the University of Munich from 1981 to 1986. After continuing his research work for another two years, he joined Munich Re's Geo Risks Research Department in 1988. Initially his work focused on earthquake risk analysis and the development of earthquake simulation models. Since the early 1990s his area of responsibility shifted increasingly to the analysis and modelling of meteorological and climatological risks.

In 2008 Ernst took on the responsibility of steering all Climate Change related activities in the Munich Re Group with focus on risk management, business development and asset management topics and became head of the newly established Munich Re think tank and strategy unit Corporate Climate



Steve Peacher

President and CEO
Sun Life Investment Management



Ernst Rauch

Chief Climate and Geo Scientist,
Climate & Public Sector Business
Development

Centre (CCC), which also served as a central entry and coordinating point to Munich Re on renewable energies.

Munich Re

Since August 2017 Ernst's responsibility was expanded to include also Munich Re's business development activities with public and supranational organizations under the umbrella of a "Climate & Public Sector Business Development" unit. In January 2018 Ernst was appointed as Chief Climate and Geo Scientist.

Michael Sabia: President and Chief Executive Officer since March 2009, Michael Sabia is responsible for the strategic direction of CDPQ and the global growth of the organization.

Before joining CDPQ, he was with BCE, holding such positions as President and Chief Executive Officer, Executive Vice-President and Chief Operating Officer, and Chief Executive Officer of Bell Canada International. From 1993 to 1999, he occupied various roles with Canadian National Railway, including Chief Financial Officer. He spent the preceding decade working as senior official in the Government of Canada.

Mr. Sabia obtained a Bachelor of Arts in economics and politics from the University of Toronto and holds graduate degrees in economics and politics from Yale University.

Connections:

Mr. Sabia is a member of the Canadian government's Advisory Council on Economic Growth. He is a trustee of the Foreign Policy Association of New York and a member of the Canada-Mexico Leadership Group and the Asia Business Leaders Advisory Council.

He is committed to community involvement, including recently co-chairing the capital campaigns of Université de Montréal, Polytechnique Montréal and HEC Montréal.

Mr. Sabia is an Officer of the Order of Canada.



Michael Sabia

President and CEO
Caisse de dépôt et placement du
Québec

Christos Stylianides is the European Commissioner for Humanitarian Aid and Crisis Management since November 1st, 2014. On October 24th, 2014 he was appointed by the European Council EU Ebola Coordinator.

He was elected Member of the European Parliament in the May 2014 European elections where he served until October 31st 2014. He was twice appointed Government Spokesperson of the Republic of Cyprus (in 2013-2014 and in 1998-1999). He was responsible for the management of the Government's communication strategy and was the head of the Government's centralised Press and Information Office.

During the period 2006-2013 he served as a Member of the Cyprus House of Representatives (elected in 2006 and 2011). During his tenure he served as Vice-Chair of the Committee on Foreign and European Affairs (2011-2013) and member of the Committee on European Affairs, the Committee of Internal Affairs and the Committee of Employment and Social Affairs (2006-2011). Between 2006-2011 he was a member of the OSCE Parliamentary Assembly and he was elected Member of its Bureau in 2012.

Laurence Tubiana is CEO of the European Climate Foundation. She is also the Chair of the Board of Governors at the French Development Agency (AFD) and a Professor at Sciences Po, Paris. Before joining the ECF, Laurence was France's Climate Change Ambassador and Special Representative for COP21, and as such a key architect of the landmark Paris Agreement. Following COP21, she was appointed High Level Champion for climate action.

Laurence brings decades of expertise and experience in climate change, energy, agriculture and sustainable development, working across government, think tanks, NGOs and academia. She started her career as a Research Director for the French National Institute for Agricultural Research. In the 80's and early 90's she founded and then led Solagral, an NGO working on food security and the global environment. From 1997 to 2002, she served as Senior Adviser on the Environment to the French Prime Minister Lionel Jospin. In 2002, she founded and then directed until 2014 the Paris-based Institute of Sustainable Development and International Relations (IDDRI). From 2009 to 2010, she created and then led the newly established Directorate for Global Public Goods at the French Ministry of Foreign Affairs. In 2013, she chaired the French National Debate on the Energy Transition.



Christos Stylianides

European Commissioner for
Humanitarian Aid and Crisis
Management



Laurence Tubiana

CEO
the European Climate Foundation

Laurence has held several academic positions, including as a Professor and Scientific Director for the International Development and Environmental Studies Master degrees at Sciences Po, Paris, and Professor of International Affairs at Columbia University, New York. She has been member of numerous boards and scientific committees, including the Chinese Committee on the Environment and International Development.

Dickie Whitaker has 30 year's experience in the Re(In)surance business and for the last 20 years has specialised in risk and innovation and linking academia, government and finance. Dickie has written and presented extensively on these subjects and has operated globally and has worked in both London and New York. He has co-founded and works for The Lighthill Risk Network, FiNexus Ltd, Oasis Palm Tree Ltd and is chief executive of Oasis Loss Modelling Framework Ltd. He also works with and advises the following organisations:



Dickie Whitaker

CEO
Oasis Loss Modelling Framework
Ltd.

- NERC's Innovation Advisory Board,
- Satellite Applications Catapult Advisory Group
- South West Centre of Excellence Board - SAT APPS
- The Institute for Environmental Analytics (IEA)
- Insurance Development Forum (IDF) Risk modelling and management steering group.
- Institute and Faculty of Actuaries Research & Thought Leadership committee

Christopher Williams has served as Chief Executive Officer of Tokio Marine HCC (TMHCC) since December 2012 and as a member of TMHCC's Board of Directors since May 2007, including as Chairman of the Board from August 2008 to May 2011. He previously served as TMHCC's President from May 2011 to December 2012. Before joining TMHCC, Mr. Williams was Chairman of Wattle Creek Winery from 2005 to May 2011. Prior to his retirement in 2005, he served as the National Director for Life, Accident & Health of Willis Re.

Mr. Williams has over 40 years of experience in the insurance industry, including significant expertise in accident and health insurance lines, which comprise TMHCC's largest business segment. He also has significant knowledge of international insurance markets.



Christopher J.B. Williams

Managing Executive Officer and
Co-Head of International Business
Tokio Marine Holdings, Inc.
(former CEO of Tokio Marine HCC)

Participants List

Salutation	First Name	Last Name	Position	Account Name
Mr	Ian	Adamczyk	Vice President, International Government and Regulatory Affairs	Prudential Financial Inc.
Mr	Butch	Bacani	PSI	UNEP-FI
Ms	Tima	Bansal	Executive Director	Network for Business Sustainability
Mr	Patrick	Barbeau	SVP, Claims	Intact Financial Corporation
Mr	Martin	Beaulieu	CRO	Intact Financial Corporation
Ms	Alanna	Boyd	Vice President, Public and Corporate Affairs	Sun Life Financial Inc.
Mr	Charles	Brindamour	CEO	Intact Financial Corporation
Mr	Randy	Brown	CIO	Sun Life Financial Inc.
Ms	Catherine	Caldwell	Policy Analyst for Environment and Climate Change Canada	Government of Canada
Mr	Glenn	Campbell	Assistant Deputy Minister, Investment, Finance and Innovation, Infrastructure Canada	Infrastructure Canada
Ms	Licelotte	Carvajal	Extreme Events and Climate Risk Analyst	The Geneva Association

Ms	Moya	Chew Lai	CIO	Prudential Financial Inc.
Mr	Dean	Connor	President and CEO	Sun Life Financial Inc.
Ms	Lesley-Anne	Dams	Adaptation Policy Development, Environment and Climate Change	Government of Canada
Mr	Nikhil	Da Victoria Lobo	Regional Leader, Global Partnership	Swiss Re
Mr	Brian	Deese	Managing Director, Global Head of Sustainable Investing	BlackRock
Ms	Laura	Della Rocca	Executive Support Officer	UNFCCC
Ms	Mandy	Dennison	Manager, Social Impact	Intact Financial Corporation
Mr	Pascal	Dessureault	Director, Communications and Public Affairs	Intact Financial Corporation
Ms	Anna Maria	D'Hulster	Secretary General	The Geneva Association
Mr	Chris	Donnelly	Vice President	Manulife Financial
Mr	Joseph	El-Sayegh	President and Chief Executive Officer	SCOR Reinsurance
Ms	Patricia	Espinosa	Executive Secretary of the UNFCCC	United Nations Framework Convention on Climate Change [UNFCCC]

Ms	Monika	Federau	Chief Strategy Officer and SVP Brand, Communications and Strategy	Intact Financial Corporation
Mr	Blair	Feltmate	Director of the Intact Center on Climate Adaptation	University of Waterloo
Ms	Diane	Flanagan	Vice President, Corporate Affairs & Communications	Intact Financial Corporation
Mr	Donald W.J.	Forgeron	President & CEO	Insurance Bureau of Canada
Mr	Colm	Freyne	Executive Vice-President & CFO	Sun Life Financial Inc.
Ms	Janice	Fukakusa	Government of Canada Chair	Canada Infrastructure Bank
Dr	Maryam	Golnaraghi	Director Climate Risk & Extreme Events	The Geneva Association
Mr	Thomas	Grandmaison	Executive VP, Construction Practice Leader	AIG
Dr	Roger	Grenier	Senior Vice President, Global Resilience Practice Leader	AIR Worldwide
Mr	Andrew	Harris	Managing Director, Strategic Research and Initiatives	Sun Life Financial Inc.
Mr	Edward	Heffernan	Senior Advisor to the CEO	XL Catlin

Mr	James	Hempstead	Managing Director, Global Project & Infrastructure Finance	Moody's Investors Service
Mr	Neville	Henderson	Assistant Superintendent	OSFI
Mr	Steven	Hobbs	Vice President, Strategy and Stakeholder Engagement	The Canadian Council for Public-Private Partnerships
Mr	Colm	Holmes	CEO	Aviva
Mr	Serge	Imbrogno	Deputy Minister of Environment, Conservation and Parks	Ontario Government
Dr	Molly	Jahn	Professor	University of Wisconsin
Ms	Susan	Jantzi	Director, Corporate Affairs & Sustainability	Sun Life Financial Inc.
Dr	Andy	Jobst	Adviser to the CFO	World Bank Group
Mr	Kei	Kato	Deputy General Manager, Government & External Relations Department	Tokio Marine Holdings, Inc.
Mr	Jumpei	Kimura	Vice President, Operations	Tokio Marine HCC
Ms	Suzanne	Klatt	Director, Sustainability & Environment Director, Sustainability & Environment Director, Sustainability & Environment	Prudential Financial Inc.
Ms	Julia	Koene	Senior Communications	BlackRock

Mr	Masamichi	Kono	Deputy Secretary General OECD	Financial Services Agency
Mr	Paul	Kovacs	Executive Director / Adjunct Research Professor, Economics	Institute for Catastrophic Loss Reduction
Ms	Jocelyn	Laflamme	Vice President Digital Transformation	Desjardins
Mr	Kenn	Lalonde	Executive Vice President	TD Bank Financial Group
Ms	Amanda	Lang	Business Journalist	BNN Bloomberg
Mr	Pierre	Lavallée	President and CEO	Canada Infrastructure Bank
Mr	Joaquim	Levy	Managing Director, CFO and Former Minister of Finance	World Bank Group
Mr	Marc	Lipman	Chief Operating Officer	AIG
Mr	Tiff	Macklem	Dean, Rotman School of Management	University of Toronto
Mr	Tsuyoshi	Maeda	Executive assistant to the Group CEO Mr Nagano	Tokio Marine Holdings, Inc.
Mr	Daniel	Malik	Vice President, Policy & Stakeholder Relations	Toronto Financial Services Alliance
Mr	Bill	Marcoux	Partner	DLA Piper
Dr	Nicole	Martin	Senior Director	S&P Global Ratings

Ms	Heather	Masterson	President & CEO	Travelers
Mr	David	McGowen	Senior Vice President, Strategic Initiatives	Insurance Bureau of Canada
Ms	Sara	Mehrjou	Business Manager to President & CEO	Aviva
Mr	Pierre	Michel	General Manager Reinsurance and International Operations	COVEA
Ms	Mami	Mizutori	Assistant Secretary- General and Special Representative of the Secretary – General for Disaster Risk	United Nations Office for Disaster Risk Reduction (UNISDR)
Mr	Brent	Mizzen	Assistant Vice President, Underwriting and Policy	Canadian Life and Health Insurance Association Inc.
Ms	Marcia	Moffat	Managing Director, Head of BlackRock Canada	BlackRock
Ms	Natalia	Moudrak	Director, Infrastructure	Intact Centre on Climate Adaptation
Mr	Werner	Muehleemann	Senior Vice President & Managing Director	Intact Financial Corporation
Mr	Bill	Murphy	Partner, Governance Risk & National Leader, Climate Change	KPMG

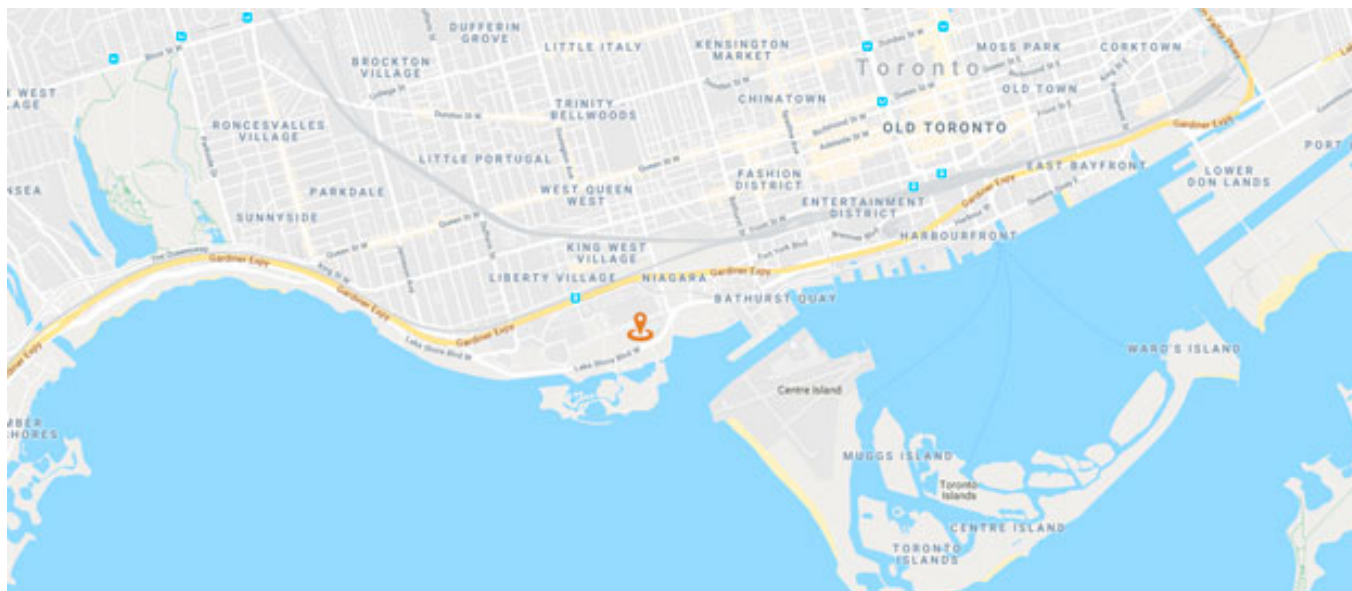
Mr	Michael	Mylrea	Deputy Director and International Expert on National Security, Cyber Risk, Industrial Control Systems, Blockchain Technologies and Energy	Pacific Northwest National Laboratory
Mr	Masaaki	Nagamura	General Manager of CSR, Corporate Planning Department	Tokio Marine Holdings, Inc.
Mr	Tsuyoshi	Nagano	President, Group Chief Executive Officer	Tokio Marine Holdings, Inc.
Mr	Makoto	Okubo	General Manager International Affairs	Nippon Life Insurance Company
Mr	Hiroshi	Ozeki	Chief Executive Officer for the Americas and Europe	Nippon Life Insurance Company
Mr	Robert	Palter	Senior Partner and Global Lead on Critical Infrastructure	McKinsey & Company Inc.
Mr	Steve	Peacher	President and CEO	Sun Life Financial Inc.
Mr	Bryan	Pickel	Vice President, External Affairs	Prudential Financial Inc.
Mr	Mark	Radley	Economist	Government of Canada
Dr	Ernst	Rauch	Chief Climate and Geo Scientist, Climate & Public Sector Business Development	Munich Re

Ms	Jennifer	Reynolds	Chief Executive Officer	Toronto Financial Services Alliance
Mr	Mark	Romoff	President and CEO	The Canadian Council for Public-Private Partnerships
Ms	Katharina	Schneider-Roos	Executive Director Critical Infrastructure Basel	Ecos
Ms	Candace	Shaw	Senior Managing Director & Portfolio Manager, Private Fixed Income	Sun Life Financial Inc.
Mr	Benjamin	Shinewald	President and CEO	BOMA Canada
Ms	Carla	Smith	SVP Corporate Development	Intact Financial Corporation
Mr	Jörg	Steffensen	General Manager	Hannover Re
Mr	Simon	Townsend	Vice-President, Head of Corporate Communications	Sun Life Financial Inc.
Mr	Philipp	Wassenberg	President and CEO	Munich Re
Mr	Dickie	Whitaker	Chief Executive Officer	Oasis Loss Modelling Framework Ltd
Mr	Christopher	Williams	Managing Executive Officer and Co-Head of International Business, Former CEO	Tokio Marine HCC

Mr	Walter	Winrow	Group Managing Director, Global Project & Infrastructure Finance	Moody's Investors Service Inc.
Ms	Ava	Yaskiel	Associate Deputy Minister of Finance	Government of Canada

General Information

VENUE



Hotel X Toronto by Library Hotel Collection

111 Princes' Boulevard, Toronto, Entrance at corner of
Lakeshore Blvd and Newfoundland Dr.
ON M6K 3C3, CANADA

1 (647) 943-9300



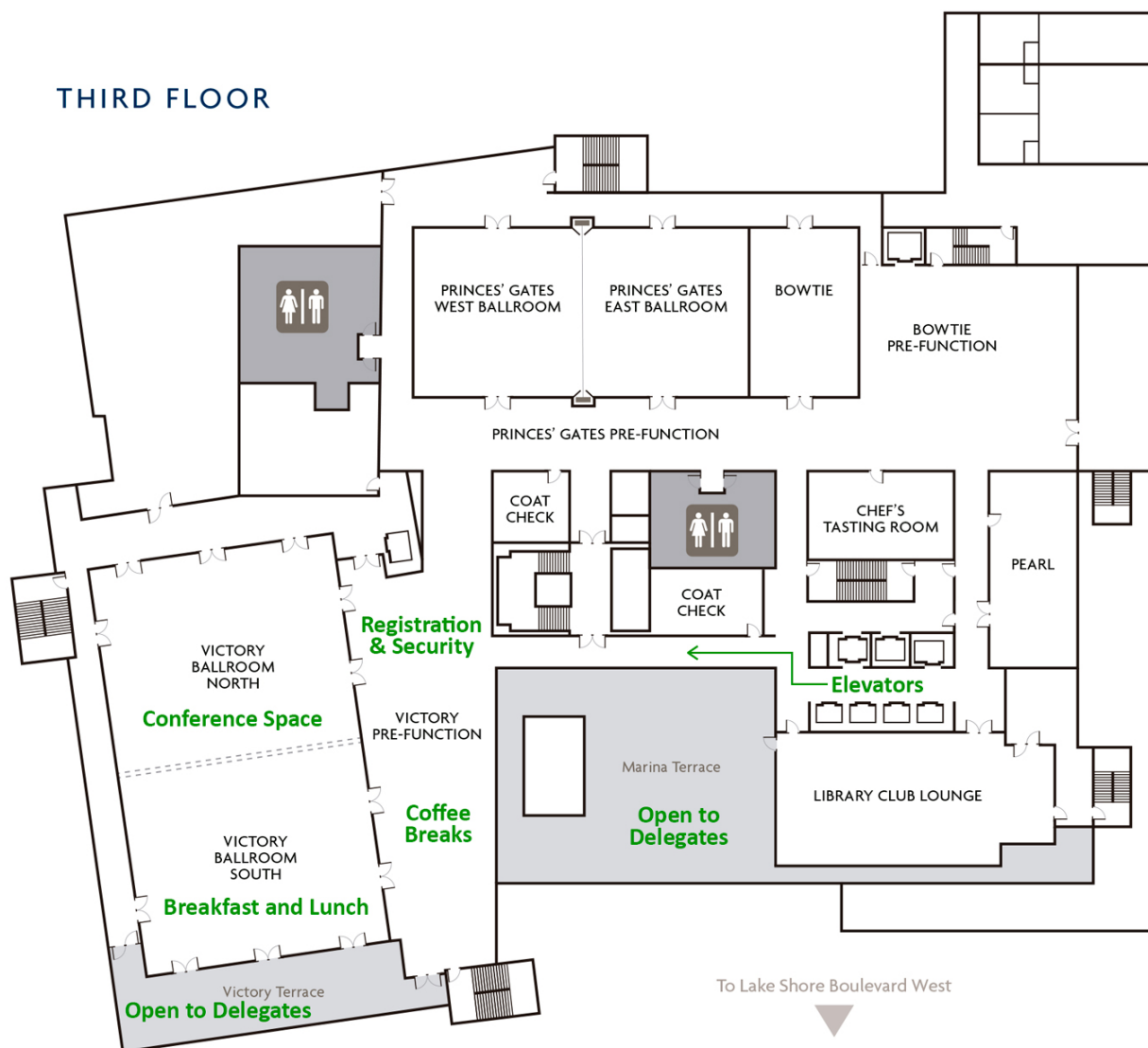
CONFERENCE ROOM

Hotel X Toronto

Floor 3

Room: Victory Ballroom

THIRD FLOOR





Hotel X Toronto
*Victory pre-Function,
3rd Floor
(Coffee Break)*

COCKTAIL RECEPTION VENUE



Hotel X Toronto
The View, 28th Floor
6:15 pm – 7:30 pm

ACCOMMODATION

Welcome to The Geneva Association group block.

A block of rooms has been reserved for your group, from September 15-21, 2018. Please reserve your room by August 24, 2018, to ensure you receive The Geneva Association special discounted rate.

At Hotel X Toronto, enjoy complimentary:

- Guestroom WiFi
- Access to TEN X Toronto fitness centre
- Local and long distance calls within Canada

Your group will receive the following reduced parking rates:

- \$25 for overnight self-parking
- \$35 for overnight valet parking

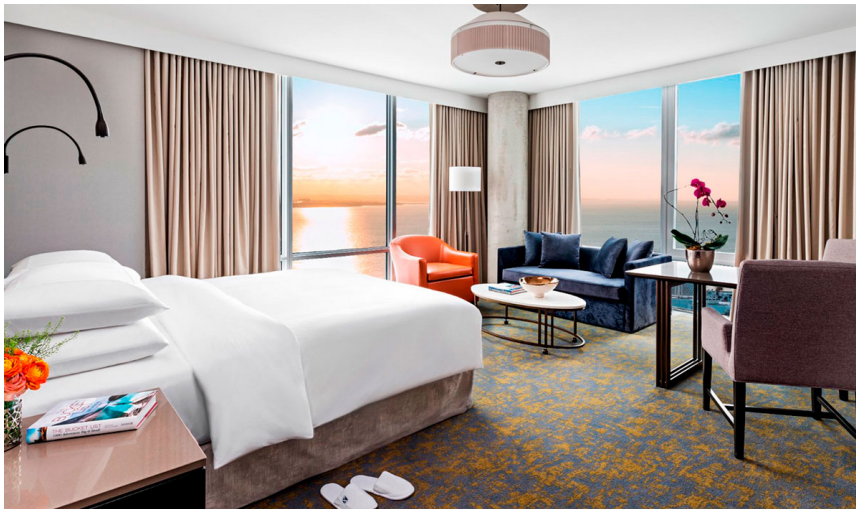
Should you have any questions regarding your reservation, please contact Travina Chong at Hotel X Toronto and she would be delighted to assist you:

(647) 943-9300 extension 4425

travina.chong@hotelxtoronto.com

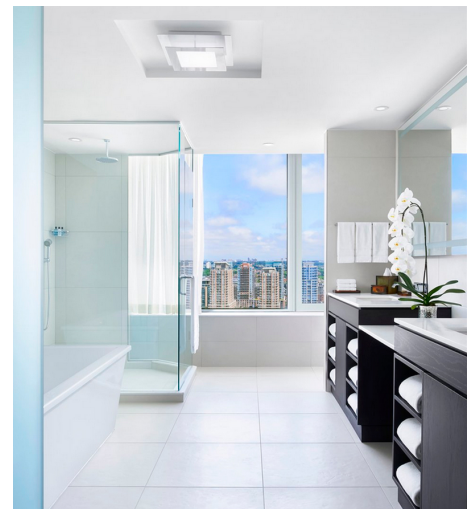
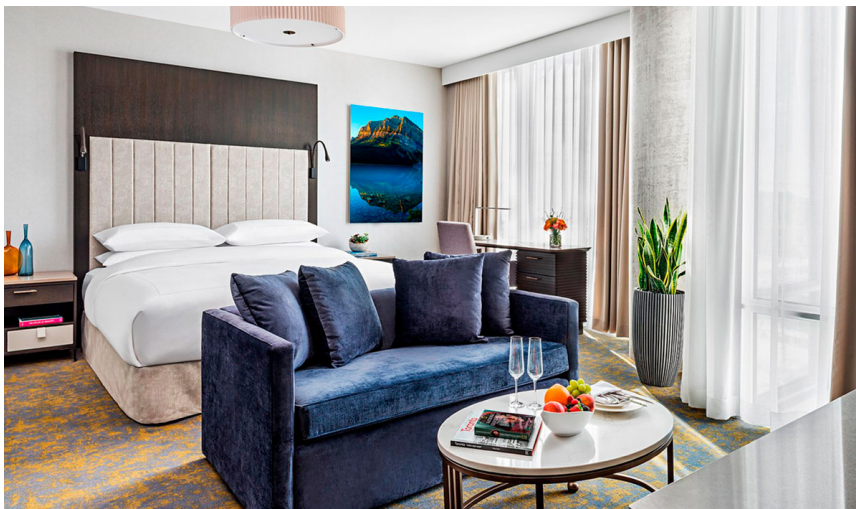
We look forward to welcoming you in September!

Signature Collection



Enjoy our Signature or Signature Plus guestrooms that are elegantly decorated to compliment the breathtaking views of the Toronto Skyline or Lake Ontario, from the over-sized opening window, accentuated by 9' high ceilings.

Signature King



Approximately 380 sq. ft. with one King bed. Signature King guest rooms are elegantly decorated to compliment the magnificent views from your over-sized opening window, accentuated by 9' high ceilings. The bathroom offers the luxury of spacious granite counters and a glass enclosed, stand alone, high-pressure shower. When booking, guests may enjoy complimentary transportation to and from Billy Bishop Airport or Union Station, access to TEN X Toronto Sports and Wellness facilities & more!

Electronic Travel Authorization (eTA)

Canada's new entry requirement for visa-exempt foreign nationals travelling to Canada by air.

With significant growth in the number of people wanting to visit Canada, applying early is more important than ever. Immigration, Refugees and Citizenship Canada (IRCC) is reminding special event and conference organizers to encourage international participants to plan ahead and apply early for Canadian travel documents.

International participants should review Canada's entry requirements to find out which travel documents they will need to visit Canada, such as a visa or Electronic Travel Authorization (eTA), and apply early. Exceptions include U.S. citizens and travellers with a valid visa. Eligible travellers can apply online for an eTA. Travellers will need an eTA before they can board a flight to Canada.

[Electronic Travel Authorization \(eTA\)](http://www.cic.gc.ca/english/visit/eta.asp). (<http://www.cic.gc.ca/english/visit/eta.asp>)

This booklet provides general information on the 2018 Extreme Events and Climate Risk Forum

The Geneva Association—International Association for the Study of Insurance Economics

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secretariat@genevaassociation.org

